## **WEST Search History for Application 10562591**

Query	DB	Op.	Plur.	Thes.	Date
4668295.pn.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES		09-21-2008
Yaszemski, m-in.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES		09-21-2008
yaszemski.in.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES		09-21-2008
(bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES		09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) ) and grafted	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES		09-21-2008
(fumaric near acid) or (unsaturated near diacid)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES		09-21-2008
((fumaric near acid) or (unsaturated near diacid) ) and (saturated near diacid)	PGPB, USPT, EPAB, JPAB,	OR	YES		09-21-2008

	DWPI, TDBD			
((fumaric near acid) or (unsaturated near diacid) and (saturated near diacid) ) and ((silane near coupling near agent) or dihalodialkylsilane)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((fumaric near acid) or (unsaturated near diacid) and (saturated near diacid) and ((silane near coupling near agent) or dihalodialkylsilane) ) and ((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted )	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
(succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
polypropylene near fumarate	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
(polypropylene near fumarate ) and ((fumaric near acid) or (unsaturated near diacid) )	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
(polypropylene near fumarate and (fumaric near acid) or (unsaturated near diacid) ) and ((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted )	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) ) and ((fumaric near acid) or (unsaturated near diacid) ) and ((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted )	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
		OR	YES	09-21-2008

((succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (fumaric near acid) or (unsaturated near diacid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted ) and (polypropylene near fumarate )	PGPB, USPT, EPAB, JPAB, DWPI, TDBD			
((succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (fumaric near acid) or (unsaturated near diacid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted ) and (polypropylene near fumarate )	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((fumaric near acid) or (unsaturated near diacid) ) and ((succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) ) and ((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) )	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((fumaric near acid) or (unsaturated near diacid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) ) and ((succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (fumaric near acid) or (unsaturated near diacid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((fumaric near acid) or (unsaturated near diacid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (fumaric near acid) or (unsaturated near diacid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted ) and (yaszemski.in.)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((fumaric near acid) or (unsaturated near diacid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and (succinic near acid) or (glutaric	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008

near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (fumaric near acid) or (unsaturated near diacid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted ) and 525/\$.ccls.				
((fumaric near acid) or (unsaturated near diacid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (fumaric near acid) or (unsaturated near diacid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted ) and hydroxyapatite	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((fumaric near acid) or (unsaturated near diacid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (fumaric near acid) or (unsaturated near diacid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and hydroxyapatite) and (fumaric near acid)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((fumaric near acid) or (unsaturated near diacid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (fumaric near acid) or (unsaturated near diacid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and hydroxyapatite and (fumaric near acid)) and (succinic near acid)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((fumaric near acid) or (unsaturated near diacid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or	PGPB, USPT, EPAB, JPAB, DWPI,	OR	YES	09-21-2008

(bone near substitute) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (fumaric near acid) or (unsaturated near diacid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and hydroxyapatite and (fumaric near acid) and (succinic near acid) ) and macromer	TDBD			
((fumaric near acid) or (unsaturated near diacid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (fumaric near acid) or (unsaturated near diacid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and hydroxyapatite and (fumaric near acid) and (succinic near acid)) and 523/\$.ccls.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((fumaric near acid) or (unsaturated near diacid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (fumaric near acid) or (unsaturated near diacid) and (bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and hydroxyapatite and (fumaric near acid) and (succinic near acid)) and 623/\$.ccls.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted ) and (fumaric near acid)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) ) and ((succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid))	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
		OR	YES	09-21-2008

((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) ) and (polypropylene near fumarate)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD			
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (polypropylene near fumarate)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) ) and (silane near coupling near agent)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
(bioactive near ceramic) or (ceramic near implant) or (bone near substitute)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near ceramic) or (ceramic near implant) or (bone near substitute) ) and grafted	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near ceramic) or (ceramic near implant) or (bone near substitute) and grafted ) and (fumaric near acid) and ((succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) )	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and 424/\$.ccls.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
6464969.pn.	PGPB, USPT, EPAB, JPAB,	OR	YES	09-21-2008

	DWPI, TDBD			
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and (bone-implant)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and ceramic	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) and (succinic near acid) or (glutaric near acid) or (adipic near acid) or (pimelic near acid) or (suberic near acid) or (azelaic near acid) or (sebacic near acid) and ceramic ) and tissue	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted ) and ((fumaric near acid) or (unsaturated near diacid) and (saturated near diacid) )	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted ) and ((fumaric near acid) or (unsaturated near diacid) ) and (dicarboxylic near acid)	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) or (unsaturated near diacid) and (dicarboxylic near acid)) and 523/116.ccls.	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) or (unsaturated near diacid) and (dicarboxylic near acid)) and crosslink\$2	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
		OR	YES	09-21-2008

((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) or (unsaturated near diacid) and (dicarboxylic near acid) and crosslink\$2 ) and silicate	PGPB, USPT, EPAB, JPAB, DWPI, TDBD			
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) or (unsaturated near diacid) and (dicarboxylic near acid)) and silicate	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted ) and ((fumaric near acid) or (unsaturated near diacid) ) and (silane or (silane near coupling near agent))	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) or (unsaturated near diacid) and (silane or (silane near coupling near agent)) ) and ((succinic near acid) or (adipic near acid) or (sebacic near acid))	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008
((bioactive near cement) or hydroxyapatite or (ceramic near implant) or (bone near substitute) and grafted and (fumaric near acid) or (unsaturated near diacid) and (silane or (silane near coupling near agent)) and ((succinic near acid) or (adipic near acid) or (sebacic near acid)) ) and ester	PGPB, USPT, EPAB, JPAB, DWPI, TDBD	OR	YES	09-21-2008